

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/12690

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01L23/544

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | DE 38 03 336 A (SIEMENS AG)<br>17 August 1989 (1989-08-17)<br>the whole document<br>---                              | 1-8, 10,<br>11        |
| X          | US 6 204 484 B1 (HU YAO ZHI ET AL)<br>20 March 2001 (2001-03-20)<br>column 8, line 38 -column 9, line 2<br>---       | 1, 2, 5-10            |
| X          | EP 0 910 115 A (SHINETSU HANDOTAI KK)<br>21 April 1999 (1999-04-21)<br>paragraphs '0038!-'0050!; figures 1, 2<br>--- | 1, 2, 5-10            |
| X          | US 5 508 934 A (MOSLEHI MEHRDAD M ET AL)<br>16 April 1996 (1996-04-16)<br>column 2, line 27-59; figure 3<br>---      | 1, 2, 5-10            |
|            | ---<br>-/--  |                       |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

4 June 2004

Date of mailing of the international search report

14/06/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                 | Relevant to claim No. |
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| X          | US 4 890 245 A (YOMOTO MASAHIKO ET AL)<br>26 December 1989 (1989-12-26)<br>column 1, line 26-47; figure 5<br>----- | 1,2,5-7,<br>9,10      |
| X          | US 5 994 676 A (DUTARTRE DIDIER)<br>30 November 1999 (1999-11-30)<br>column 4, line 27 -column 5, line 67<br>----- | 1-8,11                |
| X          | EP 0 618 430 A (AT & T CORP)<br>5 October 1994 (1994-10-05)<br>page 7, line 7-14<br>-----                          | 1,11                  |
| P,X        | WO 03/069668 A (APPLIED MATERIALS)<br>21 August 2003 (2003-08-21)<br>paragraphs '0025!-'0034!; figure 2<br>-----   | 1,11                  |
| A          | US 6 171 641 B1 (KOBAYASHI SHIGERU ET AL)<br>9 January 2001 (2001-01-09)<br>column 15, line 33-40<br>-----         | 12                    |

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